

L Number	Hits	Search Text	DB	Time stamp
1	698	((568/619) or (568/621) or (568/623)).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/09/21 06:26
2	718082	adsorbent or (activated near2 carbon) or (activated near2 charcoal) or alumina or silica or (diatomaceous near2 earth) or (montmorillonite near2 clay) or (fuller\$2 near2 earth) or kaolin	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/09/21 08:28
3	165	((568/619) or (568/621) or (568/623)).CCLS.) and (adsorbent or (activated near2 carbon) or (activated near2 charcoal) or alumina or silica or (diatomaceous near2 earth) or (montmorillonite near2 clay) or (fuller\$2 near2 earth) or kaolin)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/09/21 06:31
4	1123731	color	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/09/21 06:31
5	38	((568/619) or (568/621) or (568/623)).CCLS.) and (adsorbent or (activated near2 carbon) or (activated near2 charcoal) or alumina or silica or (diatomaceous near2 earth) or (montmorillonite near2 clay) or (fuller\$2 near2 earth) or kaolin)) and color	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/09/21 07:02
6	189	polytrimethylene near3 glycol	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/09/21 08:24
7	74	(adsorbent or (activated near2 carbon) or (activated near2 charcoal) or alumina or silica or (diatomaceous near2 earth) or (montmorillonite near2 clay) or (fuller\$2 near2 earth) or kaolin) and (polytrimethylene near3 glycol)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/09/21 08:14
8	30	color and ((adsorbent or (activated near2 carbon) or (activated near2 charcoal) or alumina or silica or (diatomaceous near2 earth) or (montmorillonite near2 clay) or (fuller\$2 near2 earth) or kaolin) and (polytrimethylene near3 glycol))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/09/21 08:14
9	5062	trimethylene near2 glycol	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/09/21 08:26
10	802	(adsorbent or (activated near2 carbon) or (activated near2 charcoal) or alumina or silica or (diatomaceous near2 earth) or (montmorillonite near2 clay) or (fuller\$2 near2 earth) or kaolin) and color and (trimethylene near2 glycol)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/09/21 08:25
11	17	polymer near2 trimethylene near2 glycol	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/09/21 08:28
12	4	((adsorbent or (activated near2 carbon) or (activated near2 charcoal) or alumina or silica or (diatomaceous near2 earth) or (montmorillonite near2 clay) or (fuller\$2 near2 earth) or kaolin) and color and (trimethylene near2 glycol)) and (polymer near2 trimethylene near2 glycol)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/09/21 08:28
13	96108	adsorbent or (activated near2 carbon) or (activated near2 charcoal) or alumina or silica or (diatomaceous near2 earth) or (montmorillonite near2 clay) or (fuller\$2 near2 earth) or kaolin	USOCR	2004/09/21 08:28

14	54	(polymer near2 trimethylene near2 glycol) or (polyoxytrimethylene near2 glycol) or (polytrimethylene near2 ether near2 glycol) or (poly near2 "1,3-propylene" near2 glycol)	USOCR	2004/09/21 08:30
15	166290	color	USOCR	2004/09/21 08:30
16	9	(adsorbent or (activated near2 carbon) or (activated near2 charcoal) or alumina or silica or (diatomaceous near2 earth) or (montmorillonite near2 clay) or (fuller\$2 near2 earth) or kaolin) and ((polymer near2 trimethylene near2 glycol) or (polyoxytrimethylene near2 glycol) or (polytrimethylene near2 ether near2 glycol) or (poly near2 "1,3-propylene" near2 glycol)) and color	USOCR	2004/09/21 08:31

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poly(1,3-propylene glycol) or polymer# (3a) trimethylene glycol  
MISSING OPERATOR 'POLY(1,3-PROPYL'  
The search profile that was entered contains terms or  
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7 FILES SEARCHED...  
18 FILES SEARCHED...  
24 FILES SEARCHED...  
27 FILES SEARCHED...  
36 FILES SEARCHED...  
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60 FILES SEARCHED...  
63 FILES SEARCHED...  
66 FILES SEARCHED...  
74 FILES SEARCHED...  
L1 261 POLYOXYTRIMETHYLENE GLYCOL OR POLYTRIMETHYLENE ETHER GLYCOL OR  
"POLY(1,3-PROPYLENE GLYCOL)" OR POLYMER# (3A) TRIMETHYLENE GLYCO  
L

=> s adorbent or activated carbon or activated charcoal or alumina or silica or  
diatomaceous earth or montmorillonite or "fuller's earth" or kaolin mineral#  
15 FILES SEARCHED...  
26 FILES SEARCHED...  
40 FILES SEARCHED...  
52 FILES SEARCHED...  
62 FILES SEARCHED...  
73 FILES SEARCHED...  
L2 2569247 ADORBENT OR ACTIVATED CARBON OR ACTIVATED CHARCOAL OR ALUMINA  
OR SILICA OR DIATOMACEOUS EARTH OR MONTMORILLONITE OR "FULLER'S  
EARTH" OR KAOLIN MINERAL#

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57 FILES SEARCHED...  
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TIFR COMPOSITION DE RESINE ET ARTICLE MOULE, FILM ET FIBRE.  
IN OHME, Hiroyuki, Toray Shataku G-4-4, 82, Ikegamidail-chome, Midori-ku, Nagoya-shi, Aichi 458-0044, JP;  
KUMAZAWA, Sadanori, Kibaminamijutaku 3-406, 9-3, kiba-cho, Minato-ku, Nagoya-shi, Aichi 455-0021, JP;  
KUMAKI, Jiro, 1501-2, Asahide 2-chome, Midori-ku, Nagoya-shi, Aichi 458-0031, JP  
PA TORAY INDUSTRIES, INC., 2-1, Nihonbashi Muromachi 2-chome, Chuo-ku, Tokyo 103-8666, JP  
PAN 203533  
AG Coleiro, Raymond et al., Mewburn Ellis LLP York House 23 Kingsway, London WC2B 6HP, GB  
AGN 47752  
OS MEPA2004064 EP 1445282 A1 0067  
SO Wila-EPZ-2004-H33-T1a  
DT Patent  
LA Anmeldung in Japanisch; Veroeffentlichung in Englisch; Verfahren in Englisch  
DS R AT; R BE; R BG; R CH; R CY; R CZ; R DE; R DK; R EE; R ES; R FI; R FR; R GB; R GR; R IE; R IT; R LI; R LU; R MC; R NL; R PT; R SE; R SK; R TR  
PIT EPA1 EUROPAEISCHE PATENTANMELDUNG (Internationale Anmeldung)  
PI EP 1445282 A1 20040811  
OD 20040811  
AI EP 2002-751820 20020801  
PRAI JP 2001-2001236082 20010803  
JP 2001-2001340948 20011106  
JP 2002-2002014948 20020124  
JP 2002-2002014949 20020124  
JP 2002-2002030474 20020207  
RLI WO 02-JP7838 020801 INTAKZ  
WO 2003014224 030220 INTPNR  
ABEN Disclosed are a resin composition comprising a polylactic acid resin and a polyacetal resin, and such a resin composition in which the polylactic acid resin and the polyacetal resin are kept miscible with each other. The resin composition has good moldability, workability, mechanical properties, heat resistance and transparency, and may be worked into moldings, films and fibers for practical use. <image>

L5 ANSWER 2 OF 25 EUROPATFULL COPYRIGHT 2004 WILA on STN

PATENT APPLICATION - PATENTANMELDUNG - DEMANDE DE BREVET

AN 1443080 EUROPATFULL ED 20040805 EW 200432 FS OS  
 TIEN THERMOPLASTIC RESIN COMPOSITION, MOLDED ARTICLE, AND PROCESS FOR  
 PRODUCING THE SAME.  
 TIDE THERMOPLASTHARZZUSAMMENSETZUNG, FORMKOERPER UND HERSTELLUNGSVERFAHREN  
 DAFUER.  
 TIFR COMPOSITION DE RESINE THERMOPLASTIQUE, ARTICLE MOULE ET PROCESSUS DE  
 PRODUCTION DE CETTE COMPOSITION.  
 IN MITSUNAGA, Masaki, c/o Teijin Chemicals, Ltd., 2-2, Uchisaiwaicho  
 1-chome, Chiyoda-ku, Tokyo 100-0011, JP;  
 HIRONAKA, Katsuhiko, c/o Teijin Chemicals, Ltd., 2-2, Uchisaiwaicho  
 1-chome, Chiyoda-ku, Tokyo 100-0011, JP;  
 OKAMOTO, Masami, 12-52, Katada 1-chome, Otsu-shi, Shiga 520-0243, JP  
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 PAN 769823  
 AG Albrecht, Thomas, Dr., Kraus & Weisert, Thomas-Wimmer-Ring 15, 80539  
 Muenchen, DE  
 AGN 83202  
 OS MEPA2004062 EP 1443080 A1 0042  
 SO Wila-EPZ-2004-H32-T1a  
 DT Patent  
 LA Anmeldung in Japanisch; Veroeffentlichung in Englisch;  
 Verfahren in Englisch  
 DS R AT; R BE; R BG; R CH; R CY; R CZ; R DE; R DK; R EE; R ES; R FI; R FR;  
 R GB; R GR; R IE; R IT; R LI; R LU; R MC; R NL; R PT; R SE; R SK; R TR  
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 PI EP 1443080 A1 20040804  
 OD 20040804  
 AI EP 2002-747702 20020719  
 PRAI JP 2001-2001221168 20010723  
 JP 2002-2002142589 20020517  
 JP 2002-2002146387 20020521  
 JP 2002-2002146388 20020521  
 JP 2002-2002147429 20020522  
 RLI WO 02-JP7359 020719 INTAKZ  
 WO 2003010235 030206 INTPNR  
 ABEN A thermoplastic resin composition comprising:  
 (A) 100 parts by weight of a noncrystalline thermoplastic resin  
 component (component A);  
 (B) 0.1 to 50 parts by weight of a layered silicate (component B)  
 which satisfies the following (i) to (iii):  
 (i) it has a cation exchange capacity of 50 to 200  
 milliequivalents/100 g, and at least 40 % of the cation exchange  
 capacity being exchanged with an organic onium ion,  
 (ii) 60 % or more of the layered silicate particles have a  
 thickness of 100 nm or less in the resin composition, and  
 (iii) the interlayer spacing of the layered silicate (component B)  
 in the resin composition is smaller than the interlayer spacing of the  
 layered silicate alone by 0.5 nm or more; and  
 (C) 0 to 50 parts by weight of a compound (component C) having  
 affinity for the noncrystalline thermoplastic resin component as the  
 component A and a hydrophilic component; and  
 molded articles thereof.

According to the present invention, a noncrystalline thermoplastic resin

composition having excellent stiffness, surface appearance and heat stability, especially a polycarbonate resin composition and molded articles thereof are obtained.

L5 ANSWER 3 OF 25 EUROPATFULL COPYRIGHT 2004 WILA on STN

PATENT APPLICATION - PATENTANMELDUNG - DEMANDE DE BREVET

AN 861719 EUROPATFULL ED 19980913 EW 199836 FS OS  
 TIEN Thermoplastic resin molded article.  
 TIDE Formteil aus thermoplastischem Kunstharz.  
 TIFR Article moule en resine thermoplastique.  
 IN Takamoto, Katsunori, 3-8-3- Azuma, Tsukuba-City, Ibaraki-pref., JP;  
 Mochizuki, Akihiro, 2-3-7 Ninomiya, Tsukuba-City, Ibaraki-pref, JP  
 PA KURARAY CO., LTD., 1621 Sakazu, Kurashiki-City, JP  
 PAN 298714  
 AG Mueller-Bore & Partner Patentanwaelte, Grafinger Strasse 2, 81671  
 Muenchen, DE  
 AGN 100651  
 OS ESP1998059 EP 0861719 A2 980902  
 SO Wila-EPZ-1998-H36-T3a  
 DT Patent  
 LA Anmeldung in Englisch; Veroeffentlichung in Englisch  
 DS R AT; R BE; R CH; R DE; R DK; R ES; R FI; R FR; R GB; R GR; R IE; R IT;  
 R LI; R LU; R MC; R NL; R PT; R SE  
 PIT EPA2 EUROPAEISCHE PATENTANMELDUNG  
 PI EP 861719 A2 19980902  
 OD 19980902  
 AI EP 1998-103134 19980223  
 PRAI JP 1997-62503 19970228

GRANTED PATENT - ERTEILTES PATENT - BREVET DELIVRE

AN 861719 EUROPATFULL UP 20040206 EW 200406 FS PS  
 TIEN Thermoplastic resin molded article.  
 TIDE Formteil aus thermoplastischem Kunstharz.  
 TIFR Article moule en resine thermoplastique.  
 IN Takamoto, Katsunori, 3-8-3- Azuma, Tsukuba-City, Ibaraki-pref., JP;  
 Mochizuki, Akihiro, 2-3-7 Ninomiya, Tsukuba-City, Ibaraki-pref, JP  
 PA KURARAY CO., LTD., 1621 Sakazu, Kurashiki-City, JP  
 PAN 298714  
 AG Mueller-Bore & Partner Patentanwaelte, Grafinger Strasse 2, 81671  
 Muenchen, DE  
 AGN 100651  
 OS MEPB2004006 EP 0861719 B1 0022  
 SO Wila-EPS-2004-H06-T3  
 DT Patent  
 LA Anmeldung in Englisch; Veroeffentlichung in Englisch  
 DS R DE; R FR; R GB; R IT  
 PIT EPB1 EUROPAEISCHE PATENTSCHRIFT  
 PI EP 861719 B1 20040204  
 OD 19980902  
 AI EP 1998-103134 19980223  
 PRAI JP 1997-62503 19970228  
 REP EP 80599 A EP 185103 A  
 EP 371753 A EP 423509 A  
 EP 499927 A EP 604074 A  
 US 5114997 A  
 ABEN A thermoplastic resin molded article having gloss of at least one  
 surface above 80 %, a storage modulus in common logarithm being 7 to 8  
 MPa within a temperature range higher by 20 °C to 100 °C

than the glass transition temperature, a cooling distortion ratio of 1.0 kg/cm.sup2. .dot. °C or less when the molded article is cooled from 130 °C to 50 °C and an Izod impact strength of 2.0 kJ/m.sup2. or more, is provided, together with a thermoplastic resin composition containing a polybutylene terephthalate resin, a polyethylene terephthalate resin, a (meth )acrylic resin, a polymer particle of a multi-layer structure and an inorganic filler, which composition is used for producing the molded article. <image>

L5 ANSWER 4 OF 25 USPATFULL on STN

AN 2004:197618 USPATFULL

TI Continuous process for the preparation of polytrimethylene ether glycol

IN Sunkara, Hari Babu, Hockessin, DE, UNITED STATES  
Marchildon, Ernest Keith Andrew, Kingston, CANADA  
Ng, Howard Chung-Ho, Kingston, CANADA  
Manzer, Leo E., Wilmington, DE, UNITED STATES

PA E.I. Du Pont de Nemours and Company (U.S. corporation)

PI US 2004152925 A1 20040805

AI US 2004-760339 A1 20040120 (10)

RLI Continuation of Ser. No. US 2000-738689, filed on 15 Dec 2000, GRANTED, Pat. No. US 6720459

PRAI US 1999-172126P 19991217 (60)

DT Utility

FS APPLICATION

LREP E. I. du Pont de Nemours & Company, Legal - Patent, 1007 Market Street, Wilmington, DE, 19894

CLMN Number of Claims: 45

ECL Exemplary Claim: 1

DRWN 7 Drawing Page(s)

LN.CNT 1033

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention is a continuous process for the preparation of polytrimethylene ether glycol from 1,3-propanediol reactant. In addition, the invention is directed to a continuous multi-stage process comprising reacting at least one reactant in a liquid phase in an upflow column reactor, and forming a gas or vapor phase by-product wherein the gas or vapor phase by-product is continuously removed at the top and at least one intermediate stage.

L5 ANSWER 5 OF 25 USPATFULL on STN

AN 2004:39479 USPATFULL

TI Thermoplastic resin composition, molded article, and process for producing the same

IN Mitsunaga, Masaki, Tokyo, JAPAN  
Hironaka, Katsuhiko, Tokyo, JAPAN  
Okamoto, Masami, Shiga, JAPAN

PI US 2004030021 A1 20040212

AI US 2003-381103 A1 20030813 (10)

WO 2002-JP7359 20020719

PRAI JP 2001-221168 20010723

JP 2002-142589 20020517

JP 2002-146387 20020521

JP 2002-146388 20020521

JP 2002-147429 20020522

DT Utility

FS APPLICATION

LREP WENDEROTH, LIND & PONACK, L.L.P., 2033 K STREET N. W., SUITE 800, WASHINGTON, DC, 20006-1021

CLMN Number of Claims: 39

ECL Exemplary Claim: 1

DRWN 1 Drawing Page(s)

LN.CNT 2749

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A thermoplastic resin composition comprising:

(A) 100 parts by weight of a noncrystalline thermoplastic resin component (component A);

(B) 0.1 to 50 parts by weight of a layered silicate (component B) which satisfies the following (i) to (iii):

(i) it has a cation exchange capacity of 50 to 200 milliequivalents/100 g, and at least 40% of the cation exchange capacity being exchanged with an organic onium ion,

(ii) 60% or more of the layered silicate particles have a thickness of 100 nm or less in the resin composition, and

(iii) the interlayer spacing of the layered silicate (component B) in the resin composition is smaller than the interlayer spacing of the layered silicate alone by 0.5 nm or more; and

(C) 0 to 50 parts by weight of a compound (component C) having affinity for the noncrystalline thermoplastic resin component as the component A and a hydrophilic component; and

molded articles thereof.

According to the present invention, a noncrystalline thermoplastic resin composition having excellent stiffness, surface appearance and heat stability, especially a polycarbonate resin composition and molded articles thereof are obtained.

L5 ANSWER 6 OF 25 USPATFULL on STN

AN 2004:31959 USPATFULL

TI Sulfonated aliphatic-aromatic copolyetheresters

IN Hayes, Richard Allen, Brentwood, TN, UNITED STATES

PI US 2004024101 A1 20040205

AI US 2002-209369 A1 20020730 (10)

DT Utility

FS APPLICATION

LREP E I DU PONT DE NEMOURS AND COMPANY, LEGAL PATENT RECORDS CENTER, BARLEY MILL PLAZA 25/1128, 4417 LANCASTER PIKE, WILMINGTON, DE, 19805

CLMN Number of Claims: 29

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 3391

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A sulfonated aliphatic-aromatic copolyetherester that comprises the polymerization product of 80.0 to 20.0 mole percent of an aromatic dicarboxylic acid or an ester thereof based on the total moles of dicarboxylic acid or ester thereof, 20.0 to 80.0 mole percent of an aliphatic dicarboxylic acid or an ester thereof based on the total moles of dicarboxylic acid or ester thereof, 0.1 to 10.0 mole percent of a sulfonate component, 99.9 to 91.0 mole percent of a first glycol selected from the group consisting of ethylene glycol, 1,3-propanediol and 1,4-butanediol based on the total moles of glycol, 0.1 to 4.0 mole percent of a poly(alkylene ether) glycol based on the total moles of glycol, 0 to 5.0 mole percent of an other glycol based on the total moles of glycol, and 0 to 5.0 mole percent of a polyfunctional branching agent.

L5 ANSWER 7 OF 25 USPATFULL on STN  
 AN 2004:223691 USPATFULL  
 TI Sulfonated aliphatic-aromatic copolyesters and shaped articles produced therefrom  
 IN Hayes, Richard Allen, Brentwood, TN, United States  
 PA E. I. du Pont de Nemours and Company, Wilmington, DE, United States (U.S. corporation)  
 PI US 6787245 B1 20040907  
 AI US 2003-459189 20030611 (10)  
 DT Utility  
 FS GRANTED  
 EXNAM Primary Examiner: Acquah, Samuel A.  
 CLMN Number of Claims: 79  
 ECL Exemplary Claim: 1  
 DRWN 0 Drawing Figure(s); 0 Drawing Page(s)  
 LN.CNT 3461  
 AB Sulfonated aliphatic-aromatic copolyesters are provided. The copolyesters are produced from a mixture of aromatic dicarboxylic acids, aliphatic dicarboxylic acids, ethylene glycol, other glycols, and components containing alkali metal or alkaline earth metal sulfo groups, such as a metal 5-sulfoisophthalic acid derivative. The copolyesters have lower sulfonation than known sulfonated polyesters, and provide advantageous thermal properties for some end uses. The sulfonated aliphatic-aromatic copolyesters are useful in forming coatings or films on various substrates, and in packaging. Some compositions comprising the sulfonated aliphatic-aromatic copolyesters are biodegradable, as are some of the sulfonated aromatic-aromatic copolyesters.

L5 ANSWER 8 OF 25 USPATFULL on STN DUPLICATE 1  
 AN 2003:245080 USPATFULL  
 TI Block copolymer  
 IN Aramaki, Masaaki, Nobeoka-shi, JAPAN  
 Saitou, Takashi, Saitama, JAPAN  
 Maekawa, Tomofumi, Nobeoka-shi, JAPAN  
 PI US 2003171494 A1 20030911  
 US 6794463 B2 20040921  
 AI US 2002-240010 A1 20020927 (10)  
 WO 2001-JP2545 20010328  
 PRAI JP 2000-88285 20000328  
 DT Utility  
 FS APPLICATION  
 LREP BIRCH STEWART KOLASCH & BIRCH, PO BOX 747, FALLS CHURCH, VA, 22040-0747  
 CLMN Number of Claims: 18  
 ECL Exemplary Claim: 1  
 DRWN No Drawings  
 LN.CNT 1609

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Block copolymer comprising at least two kinds of polymer components each having a different structural unit in the polymer selected from polyamide, polyester, polycarbonate and polyarylate. The present block copolymer has a distinguished moldability and can be produced even from rework products or recycle products in a simple and economical manner.

L5 ANSWER 9 OF 25 USPATFULL on STN DUPLICATE 2  
 AN 2003:226496 USPATFULL  
 TI Flame retardant aromatic polycarbonate resin composition and molded articles thereof  
 IN Ono, Tetsushi, Tokyo, JAPAN  
 Itagaki, Akinari, Tokyo, JAPAN  
 Yamaya, Masaaki, Tokyo, JAPAN  
 Kobayashi, Yoshiteru, Gunma, JAPAN  
 PI US 2003158309 A1 20030821

10/634,687

AI US 6727303 B2 20040427  
AI US 2002-229221 A1 20020828 (10)  
PRAI JP 2001-261267 20010830  
JP 2001-261269 20010830  
JP 2002-12092 20020121  
JP 2002-12094 20020121

DT Utility

FS APPLICATION

LREP Leonard W. Sherman, Sherman & Shalloway, 413 N. Washington Street,  
Alexandria, VA, 22314

CLMN Number of Claims: 25

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 2738

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A flame retardant aromatic polycarbonate resin composition comprising:

(1) 100 parts by weight of resin components comprising 50 to 100 wt % of an aromatic polycarbonate resin (component A-1), 0 to 50 wt % of a styrene-based resin (component A-2) and 0 to 50 wt % of an aromatic polyester resin (component A-3); and

(2) 0.1 to 10 parts by weight of a silicone compound (component B) which contains an Si--H group and an aromatic group in the molecule based on 100 parts by weight of the total of the resin components, wherein

the silicone compound is at least one selected from silicone compounds which have (1) an Si--H group content (Si--H content) of 0.1 to 1.2 mols/100 g and (2) a content of an aromatic group represented by the following general formula (1) (aromatic group content) of 10 to 70 wt %:  
##STR1##

wherein X's are each independently an OH group or the residual monovalent organic group having 1 to 20 carbon atoms, and n is 0 or an integer of 1 to 5, with the proviso that when n is 2 or more, X's can differ from one another, and molded articles thereof.

A halogen-free polycarbonate resin composition having excellent transparency and dripping preventing properties and molded articles thereof are provided according to the present invention.

L5 ANSWER 10 OF 25 USPATFULL on STN

DUPLICATE 3

AN 2003:45451 USPATFULL

TI Process to produce poly(alkylene ether) glycol-containing polyesters

IN Hayes, Richard Allen, Brentwood, TN, UNITED STATES

PI US 2003032763 A1 20030213

US 6610795 B2 20030826

AI US 2001-927653 A1 20010810 (9)

DT Utility

FS APPLICATION

LREP E I DU PONT DE NEMOURS AND COMPANY, LEGAL PATENT RECORDS CENTER, BARLEY  
MILL PLAZA 25/1128, 4417 LANCASTER PIKE, WILMINGTON, DE, 19805

CLMN Number of Claims: 20

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 1019

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A process for producing a polyester that comprises 1 to 90 weight % poly(alkylene ether) glycol. The process comprises the step of copolymerizing (i) a preformed polyester polymer having an inherent viscosity of at least 0.4 dL/g, (ii) a poly(alkylene ether) glycol, and (iii) a dicarboxylic acid or anhydride, to obtain a polyester comprising

1 to 90 weight % poly(alkylene ether glycol).

L5 ANSWER 11 OF 25 USPATFULL on STN DUPLICATE 4  
 AN 2003:4208 USPATFULL  
 TI Aromatic polycarbonate resin composition  
 IN Hashimoto, Yoshihide, Chiyoda-ku, JAPAN  
 Aibara, Tetsuya, Chiyoda-ku, JAPAN  
 Onizawa, Tomomitsu, Chiyoda-ku, JAPAN  
 PI US 2003004251 A1 20030102  
 US 6780917 B2 20040824  
 AI US 2001-794631 A1 20010228 (9)  
 DT Utility  
 FS APPLICATION  
 LREP Sherman & Shalloway, 413 N. Washington Street, Alexandria, VA, 22314  
 CLMN Number of Claims: 27  
 ECL Exemplary Claim: 1  
 DRWN 1 Drawing Page(s)  
 LN.CNT 2223  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB An aromatic polycarbonate resin composition comprising:

100 parts by weight of a resin component consisting of (1) 50 to 100 wt % of an aromatic polycarbonate resin (component A) and (2) 0 to 50 wt % of at least one thermoplastic resin (component B) selected from the group consisting of a thermoplastic polyester resin (component B-1) and a styrene unit component-containing resin having a rubber component content of less than 40 wt % (component B-2); and

(3) 1 to 100 parts by weight of wollastonite particles having such particle shape characteristics that the particles have a number average fiber length measured by a method specified in this text of 10  $\mu$ m or less and a number average fiber diameter measured by a method specified in this text of 4  $\mu$ m or less and include particles having a fiber length of 5 to 25  $\mu$ m in a number proportion of less than 50% of the total and moldings thereof.

According to the present invention, there are provided an aromatic polycarbonate resin composition which has high stiffness, high impact resistance, a good surface appearance (suppression of the formation of projecting foreign matter which causes deterioration in coating appearance) and recyclability, and moldings thereof.

L5 ANSWER 12 OF 25 EUROPATFULL COPYRIGHT 2004 WILA on STN

PATENT APPLICATION - PATENTANMELDUNG - DEMANDE DE BREVET

AN 1300445 EUROPATFULL ED 20030414 EW 200315 FS OS  
 TIEN AROMATIC POLYCARBONATE RESIN COMPOSITION.  
 TIDE AROMATISCHE POLYCARBONATHARZZUSAMMENSETZUNG.  
 TIFR COMPOSITION POLYCARBONATE DE RESINE AROMATIQUE.  
 IN HASHIMOTO, Yoshihide, Teijin Chemicals, Ltd., 2-2, Uchisaiwaicho  
 1-chome, Chiyoda-ku, Tokyo 100-0011, JP;  
 AIBARA, Tetsuya, Teijin Chemicals, Ltd., 2-2, Uchisaiwaicho 1-chome,  
 Chiyoda-ku, Tokyo 100-0011, JP;  
 ONIZAWA, Tomomitsu, Teijin Chemicals, Ltd., 2-2, Uchisaiwaicho 1-chome,  
 Chiyoda-ku, Tokyo 100-0011, JP  
 PA Teijin Chemicals, Ltd., 2-2, Uchisaiwaicho 1-chome, Chiyoda-ku, Tokyo  
 100-0011, JP  
 PAN 769823  
 AG Albrecht, Thomas, Dr., Kraus, Weisert & Partner Patent- und  
 Rechtsanwaelte Thomas-Wimmer-Ring 15, 80539 Muenchen, DE  
 AGN 83201



OS MEPA2003028 EP 1300445 A1 0037  
 SO Wila-EPZ-2003-H15-T1a  
 DT Patent  
 LA Anmeldung in Japanisch; Veroeffentlichung in Englisch;  
 Verfahren in Englisch  
 DS R AT; R BE; R CH; R CY; R DE; R DK; R ES; R FI; R FR; R GB; R GR; R IE;  
 R IT; R LI; R LU; R MC; R NL; R PT; R SE; R TR  
 PIT EPA1 EUROPÄISCHE PATENTANMELDUNG (Internationale Anmeldung)  
 PI EP 1300445 A1 20030409  
 OD 20030409  
 AI EP 2001-908275 20010302  
 RLI WO 01-JP1650 010302 INTAKZ  
 WO 02070607 020912 INTPNR  
 ABEN An aromatic polycarbonate resin composition comprising:  
 100 parts by weight of a resin component consisting of (1) 50 to 100  
 wt% of an aromatic polycarbonate resin (component A) and (2) 0 to 50 wt%  
 of at least one thermoplastic resin (component B) selected from the  
 group consisting of a thermoplastic polyester resin (component B-1) and  
 a styrene unit component-containing resin having a rubber component  
 content of less than 40 wt% (component B-2); and  
 (3) 1 to 100 parts by weight of wollastonite particles having such  
 particle shape characteristics that the particles have a number average  
 fiber length measured by a method specified in this text of 10 µm or  
 less and a number average fiber diameter measured by a method specified  
 in this text of 4 µm or less and include particles having a fiber  
 length of 5 to 25 µm in a number proportion of less than 50 % of the  
 total  
 and moldings thereof.

According to the present invention, there are provided an aromatic  
 polycarbonate resin composition which has high stiffness, high impact  
 resistance, a good surface appearance (suppression of the formation of  
 projecting foreign matter which causes deterioration in coating  
 appearance) and recyclability, and moldings thereof.

L5 ANSWER 13 OF 25 EUROPATFULL COPYRIGHT 2004 WILA on STN

PATENT APPLICATION - PATENTANMELDUNG - DEMANDE DE BREVET

AN 1288262 EUROPATFULL ED 20030311 EW 200310 FS OS  
 TIEN Flame retardant aromatic polycarbonate resin composition and molded  
 articles thereof.  
 TIDE Flammhemmende aromatische Polycarbonatharzzusammensetzung und daraus  
 hergestellte Formmassen.  
 TIFR Composition de resine de polycarbonate aromatique ignifuge et articles  
 moules a partir de cette composition.  
 IN Ono, T., c/o Teijin Chemicals, Ltd, 2-2, Uchisaiwaicho 1-chome,  
 Chiyoda-ku, Tokyo 100-0011, JP;  
 Itagaki, A., c/o Shin-Etsu Chemical Co., Ltd, Si.-El. M. R. C., 1-10  
 Oaza Hitomi, Matsuida-machi, Usui-gun, Gunma 379-0224, JP;  
 Yamaya, M., c/o Shin-Etsu Chemical Co., Ltd, Si.-El. M. R. C., 1-10 Oaza  
 Hitomi, Matsuida-machi, Usui-gun, Gunma 379-0224, JP;  
 Kobayashi, Yoshiteru, 1835-3, Higashikamiisobe, Annaka-shi, Gunma  
 379-0128, JP  
 PA Teijin Chemicals, Ltd., 2-2, Uchisaiwaicho 1-chome, Chiyoda-ku, Tokyo  
 100-0011, JP;  
 Shin-Etsu Chemical Co., Ltd., 6-1, Otemachi 2-chome, Chiyoda-ku Tokyo  
 100, JP  
 PAN 769823; 235612  
 AG Cresswell, Thomas Anthony, J.A. KEMP & CO. 14 South Square Gray's Inn,  
 London WC1R 5JJ, GB

10/634,687

AGN 50351  
OS MEPA2003018 EP 1288262 A2 0052  
SO Wila-EPZ-2003-H10-T1a  
DT Patent  
LA Anmeldung in Englisch; Veroeffentlichung in Englisch  
DS R AT; R BE; R BG; R CH; R CY; R CZ; R DE; R DK; R EE; R ES; R FI; R FR;  
R GB; R GR; R IE; R IT; R LI; R LU; R MC; R NL; R PT; R SE; R SK; R TR;  
R AL; R LT; R LV; R MK; R RO; R SI  
PIT EPA2 EUROPÄISCHE PATENTANMELDUNG  
PI EP 1288262 A2 20030305  
OD 20030305  
AI EP 2002-256034 20020830  
PRAI JP 2001-2001261267 20010830  
JP 2001-2001261268 20010830  
JP 2001-2001261269 20010830  
JP 2002-2002012092 20020121  
JP 2002-2002012093 20020121  
JP 2002-2002012094 20020121  
ABEN A flame retardant aromatic polycarbonate resin composition comprising:  
(A) 100 parts by weight of resin components comprising:  
(A-1) 50 to 100 wt% of an aromatic polycarbonate resin,  
(A-2) 0 to 50 wt% of a styrene-based resin and  
(A-3) 0 to 50 wt% of an aromatic polyester resin;  
and  
(B) 0.1 to 10 parts by weight of a silicone compound which has (1)  
an Si-H group content of 0.1 to 1.2 mols/100 g and (2) a content of an  
aromatic group of formula (1) of 10 to 70 wt%: <image> wherein each  
X, which may be the same or different, is an OH group or a monovalent  
organic group having 1 to 20 carbon atoms, and n is 0 or an integer of 1  
to 5.  
  
A halogen-free polycarbonate resin composition having excellent  
transparency and dripping preventing properties and molded articles  
thereof are provided according to the present invention.

L5 ANSWER 14 OF 25 PCTFULL COPYRIGHT 2004 Univentio on STN.  
AN 2003014195 PCTFULL ED 20030303 EW 200308  
TIEN PROCESS TO PRODUCE POLY(ALKYLENE ETHER)GLYCOL-CONTAINING POLYESTERS  
TIFR PROCEDE D'ELABORATION DE POLYESTERS A BASE DE POLY(ALKYLENE ETHER)GLYCOL  
IN HAYES, Richard, Allen, 6309 Milbrook Boulevard, Brentwood, TN 37027, US  
PA E.I. DU PONT DE NEMOURS AND COMPANY, 1007 Market Street, Wilmington, DE  
19898, US [US, US]  
AG EVANS, Craig, H., E.I. Dupont de Nemours and Company, Legal Patent  
Records Center, 4417 Lancaster Pike, Wilmington, DE 19805, US  
LAF English  
LA English  
DT Patent  
PI WO 2003014195 A1 20030220  
DS W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU  
CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN  
IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN  
MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM  
TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW  
RW (ARIPO): GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW  
RW (EAPO): AM AZ BY KG KZ MD RU TJ TM  
RW (EPO): AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL  
PT SE SK TR  
RW (OAPI): BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG  
AI WO 2002-US27081 A 20020809  
PRAI US 2001-09/927,652 20010810  
ABEN A process for producing a polyester that comprises 65 to 90 weight %

poly(alkylene ether) glycol. The process comprises the step of copolymerizing a preformed polyester polymer having an inherent viscosity of at least 0.4 dL/g and a poly(alkylene ether) glycol, to obtain said polyester comprising said 65 to 90 weight % poly(alkylene ether glycol).

ABFR L'invention concerne un procede d'elaboration de polyester renfermant, en poids, entre 65 et 90 % de poly(alkylene ether) glycol, qui consiste a copolymeriser un polymere de polyester preforme de viscosite inherente au moins egale a 0,4 dL/g, et un poly(alkylene ether) glycol, donnant un polyester qui contient, en poids, entre 65 et 90 % de poly(alkylene ether glycol).

L5 ANSWER 15 OF 25 PCTFULL COPYRIGHT 2004 Univentio on STN  
 AN 2003014183 PCTFULL ED 20030303 EW 200308  
 TIEN A PROCESS TO PRODUCE POLY(ALKYLENE ETHER)GLYCOL-CONTAINING POLYESTERS  
 TIFR PROCEDE D'ELABORATION DE POLYESTERS A BASE DE POLY(ALKYLENE ETHER)GLYCOL  
 IN HAYES, Richard, Allen, 6309 Milbrook Boulevard, Brentwood, TN 37027, US  
 PA E.I. DU PONT DE NEMOURS AND COMPANY, 1007 Market Street, Wilmington, DE 19898, US [US, US]  
 AG EVANS, Craig, H., E.I. Dupont De Nemours and Company, Legal Patent Records Center, 4417 Lancaster Pike, Wilmington, DE 19805, US  
 LAF English  
 LA English  
 DT Patent  
 PI WO 2003014183 A1 20030220  
 DS W:

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU  
 CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN  
 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN  
 MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM  
 TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW  
 RW (ARIPO): GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW  
 RW (EAPO): AM AZ BY KG KZ MD RU TJ TM  
 RW (EPO): AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL  
 PT SE SK TR  
 RW (OAPI): BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

AI WO 2002-US27080 A 20020809  
 PRAI US 2001-09/927,653 20010810  
 ABEN A process for producing a polyester that comprises 1 to 90 weight % poly(alkylene ether) glycol. The process comprises the step of copolymerizing (i) a preformed polyester polymer having an inherent viscosity of at least 0.4 dL/g, (ii) a poly(alkylene ether) glycol, and (iii) a dicarboxylic acid or anhydride, to obtain a polyester comprising 1 to 90 weight % poly(alkylene ether glycol).  
 ABFR L'invention concerne un procede d'elaboration de polyester refermant, en poids, entre 1 et 90 % de poly(alkylene ether) glycol, qui consiste a copolymeriser (i) un polymere de polyester preforme de viscosite inherente au moins egale a 0,4 dL/g, (ii) un poly(alkylene ether) glycol, et (iii) un acide dicarboxylique ou un anhydride, donnant un polyester qui contient, en poids, entre 1 et 90 % de poly(alkylene ether glycol).

L5 ANSWER 16 OF 25 USPATFULL on STN DUPLICATE 5  
 AN 2002:17493 USPATFULL  
 TI Continuous process for the preparation of polytrimethylene ether glycol  
 IN Sunkara, Hari B., Wilmington, DE, UNITED STATES  
 Marchildon, Ernest Keith Andrew, Kingston, CANADA  
 Ng, Howard Chung-Ho, Kingston, CANADA  
 Manzer, Leo E., Wilmington, DE, UNITED STATES  
 PI US 2002010374 A1 20020124  
 US 6720459 B2 20040413  
 AI US 2000-738689 A1 20001215 (9)

10/634,687

PRAI US 1999-172126P 19991217 (60)  
DT Utility  
FS APPLICATION  
LREP E I DU PONT DE NEMOURS AND COMPANY, LEGAL DEPARTMENT - PATENTS, 1007  
MARKET STREET, WILMINGTON, DE, 19898  
CLMN Number of Claims: 46  
ECL Exemplary Claim: 1  
DRWN 7 Drawing Page(s)  
LN.CNT 1045

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention is a continuous process for the preparation of polytrimethylene ether glycol from 1,3-propanediol reactant. In addition, the invention is directed to a continuous multi-stage process comprising reacting at least one reactant in a liquid phase in an up-flow column reactor, and forming a gas or vapor phase by-product wherein the gas or vapor phase by-product is continuously removed at the top and at least one intermediate stage.

L5 ANSWER 17 OF 25 EUROPATFULL COPYRIGHT 2004 WILA on STN

PATENT APPLICATION - PATENTANMELDUNG - DEMANDE DE BREVET

AN 1236757 EUROPATFULL ED 20020910 EW 200236 FS OS  
TIEN THERMOPLASTIC ELASTOMER, USE THEREOF, AND PROCESS FOR PRODUCING THE SAME.  
TIDE THERMOPLASTISCHES ELASTOMER, VERWENDUNG DESSELBEN UND VERFAHREN ZU DESSEN HERSTELLUNG.  
TIFR ELASTOMERE THERMOPLASTIQUE, SON UTILISATION ET SON PROCEDE DE PRODUCTION.  
IN NIKI, Akihiro, Sekisui Chemical Co., Ltd., 2-1, Hyakuyama, Shimamoto-cho, Mishima-gun, Osaka 618-0021, JP;  
MATSUMOTO, Hirotake, Sekisui Chemical Co., Ltd., 2-1, Hyakuyama, Shimamoto-cho, Mishima-gun, Osaka 618-0021, JP;  
FUJIWARA, Akihiko, Sekisui Chemical Co., Ltd., 2-1, Hyakuyama, Shimamoto-cho, Mishima-gun, Osaka 618-0021, JP;  
NAKATANI, Yasuhiro, Sekisui Chemical Co., Ltd., 2-1, Hyakuyama, Shimamoto-cho, Mishima-gun, Osaka 618-0021, JP;  
NOZATO, Shoji, Sekisui Chemical Co., Ltd., 2-1, Hyakuyama, Shimamoto-cho, Mishima-gun, Osaka 618-0021, JP  
PA Sekisui Chemical Co., Ltd., Intellectual Property Center, Dojima-Kanden Building, 2-4-4, Nishitemma, Kita-ku, Osaka-shi, Osaka 530-8565, JP  
PAN 1280468  
AG Best, Michael, Dr. et al., Lederer & Keller Patentanwaelte Prinzregentenstrasse 16, 80538 Muenchen, DE  
AGN 79461  
OS BEPA2002074 EP 1236757 A1 0054  
SO Wila-EPZ-2002-H36-T1a  
DT Patent  
LA Anmeldung in Japanisch; Veroeffentlichung in Englisch; Verfahren in Englisch  
DS R AT; R BE; R CH; R CY; R DE; R DK; R ES; R FI; R FR; R GB; R GR; R IE; R IT; R LI; R LU; R MC; R NL; R PT; R SE; R AL; R LT; R LV; R MK; R RO; R SI  
PIT EPA1 EUROPAEISCHE PATENTANMELDUNG (Internationale Anmeldung)  
PI EP 1236757 A1 20020904  
OD 20020904  
AI EP 2000-963015 20000929  
PRAI JP 1999-280305 19990930  
JP 2000-2000234525 20000802  
JP 2000-2000242823 20000810  
RLI WO 00-JP6812 000929 INTAKZ  
WO 0123458 010405 INTPNR

ABEN The present invention presents a thermoplastic elastomer that exhibits superior moisture permeability, excellent flexibility and mechanical properties at a high temperature, particularly settling resistance at a high temperature, and excellent moisture permeability.

The thermoplastic elastomer contains a polyether component (A) as a constituting unit, wherein the carbon/oxygen atomic ratio for the poly-oxyalkylene group ( $-C_{subn}.H_{sub2n}.O-$ ) that constitutes the above polyether component is in the range from 2.0 to 2.5, the content of the polyether component in the thermoplastic elastomer is in the range from 50 to 95 weight%, and the glass transition temperature of the thermoplastic elastomer is not more than  $-20^{\circ}C$ . Particularly preferable is a thermoplastic elastomer in which the polyether component is bonded with the polyester component (B) via the poly-isocyanate component (C).

L5 ANSWER 18 OF 25 USPATFULL on STN

AN 2002:12660 USPATFULL

TI Production of polytrimethylene ether glycol and copolymers thereof

IN Sunkara, Hari B., Wilmington, DE, UNITED STATES  
Manzer, Leo E., Wilmington, DE, UNITED STATES

PI US 2002007043 A1 20020117

AI US 2000-738688 A1 20001215 (9)

PRAI US 1999-172264P 19991217 (60)

DT Utility

FS APPLICATION

LREP E I DU PONT DE NEMOURS AND COMPANY, LEGAL DEPARTMENT - PATENTS, 1007  
MARKET STREET, WILMINGTON, DE, 19898

CLMN Number of Claims: 49

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 777

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A process for the manufacture of polytrimethylene ether glycol comprising the steps of: (a) providing (1) 1,3-propanediol reactant selected from the group consisting of 1,3-propanediol and/or oligomers or prepolymers of 1,3-propanediol having a degree of polymerization of 2-9 and mixtures thereof, and (2) a polycondensation catalyst; and (b) polycondensing the 1,3-propanediol reactant to form a polytrimethylene ether glycol at less than one atmosphere pressure, and the product of the process. In addition, polytrimethylene ether glycol has a number average molecular weight greater than 1,500, an APHA color of less than 120, an unsaturation of less than 20 meq/kg, and a content of cyclic ether oligomers of less than 2%.

L5 ANSWER 19 OF 25 USPATFULL on STN

AN 2002:181753 USPATFULL

TI Process to produce poly(alkylene ether)glycol-containing polyesters

IN Hayes, Richard Allen, Brentwood, TN, United States

PA E. I. duPont de Nemours & Company, Wilmington, DE, United States (U.S. corporation)

PI US 6423789 B1 20020723

AI US 2001-927652 20010810 (9)

DT Utility

FS GRANTED

EXNAM Primary Examiner: Acquah, Samuel A.

LREP Krukiel, Charles E.

CLMN Number of Claims: 16

ECL Exemplary Claim: 1

10/634,687

DRWN 0 Drawing Figure(s); 0 Drawing Page(s)

LN.CNT 972

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A process for producing a polyester that comprises 65 to 90 weight % poly(alkylene ether) glycol. The process comprises the step of copolymerizing a preformed polyester polymer having an inherent viscosity of at least 0.4 dL/g and a poly(alkylene ether) glycol, to obtain said polyester comprising said 65 to 90 weight % poly(alkylene ether glycol).

L5 ANSWER 20 OF 25 PROMT COPYRIGHT 2004 Gale Group on STN

AN 2001:975766 PROMT

TI CHEMICALS and raw materials.(Directory)

SO Pharmaceutical Technology, (15 Jun 2001) pp. 20.  
ISSN: ISSN: 0147-8087.

PB Advanstar Communications, Inc.

DT Newsletter

LA English

WC 82506

\*FULL TEXT IS AVAILABLE IN THE ALL FORMAT\* .

AB ASORPTION BASES

L5 ANSWER 21 OF 25 PCTFULL COPYRIGHT 2004 Univentio on STN

AN 2001044348 PCTFULL ED 20020827

TIEN PRODUCTION OF POLYTRIMETHYLENE ETHER GLYCOL  
AND COPOLYMERS THEREOF

TIFR PRODUCTION DE POLYTRIMETHYLENE ETHER GLYCOL  
ET COPOLYMERES ASSOCIES

IN SUNKARA, Hari, B.;  
MANZER, Leo, E.

PA E.I. DU PONT DE NEMOURS AND COMPANY

DT Patent

PI WO 2001044348 A1 20010621

DS W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ  
DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP  
KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX  
MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA  
UG UZ VN YU ZA ZW GH GM KE LS MW MZ SD SL SZ TZ UG ZW AM  
AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR  
IE IT LU MC NL PT SE TR BF BJ CF CG CI CM GA GN GW ML MR  
NE SN TD TG

AI WO 2000-US34202 A 20001215

PRAI US 1999-60/172,264 19991217

ABEN A process for the manufacture of polytrimethylene ether glycol comprising polycondensing a 1,3-propanediol reactant selected from the group consisting of 1,3-propanediol and/or oligomers or prepolymers of 1,3-propanediol having a degree of polymerization of 2-9 and mixtures thereof using a polycondensation catalyst to form a polytrimethylene ether glycol at less than one atmosphere pressure. In addition, polytrimethylene ether glycol has a number average molecular weight greater than 1,500, an APHA color of less than 120, an unsaturation of less than 20 meq/kg, and a content of cyclic ether oligomers of less than 2 %.

ABFR L'invention concerne un procede de fabrication de polytrimethylene ether glycol qui consiste a polycondenser un reactif 1,3-propanediol choisi dans le groupe forme de 1,3-propanediol et/ou d'oligomeres ou de prepolymeres de 1,3-propanediol ayant un degre de polymerisation de 2-9 et de leurs melanges a l'aide d'un catalyseur de polycondensation pour former un polytrimethylene ether glycol a une pression

inferieure a une atmosphere. En outre, le polytrimethylene ether glycol presente un poids moleculaire moyen superieur a 1 500, un indice de couleur APHA inferieur a 120, une insaturation inferieure a 20 meq/kg et une teneur en oligomeres ether cycliques inferieure a 2 %.

L5 ANSWER 22 OF 25 PROMT COPYRIGHT 2004 Gale Group on STN

AN 2000:1135734 PROMT  
 TI Chemicals and Raw Materials.(directory)  
 SO Pharmaceutical Technology, (July 2000) Vol. 24, No. 7, pp. 24.  
 ISSN: ISSN: 0147-8087.  
 PB Advanstar Communications, Inc.  
 DT Newsletter  
 LA English  
 WC 61423  
 \*FULL TEXT IS AVAILABLE IN THE ALL FORMAT\*  
 AB ABSORPTION BASES

L5 ANSWER 23 OF 25 USPATFULL on STN

AN 1999:142035 USPATFULL  
 TI Thermoplastic resin molded article  
 IN Takamoto, Katsunori, Tsukuba, Japan  
 Mochizuki, Akihiro, Tsukuba, Japan  
 PA Kuraray Co., Ltd., Kurashiki, Japan (non-U.S. corporation)  
 PI US 5981628 19991109  
 AI US 1998-24453 19980217 (9)  
 PRAI JP 1997-62503 19970228  
 DT Utility  
 FS Granted  
 EXNAM Primary Examiner: Michl, Paul R.  
 LREP Oblon, Spivak, McClelland, Maier & Neustadt, P.C.  
 CLMN Number of Claims: 6  
 ECL Exemplary Claim: 1  
 DRWN 3 Drawing Figure(s); 3 Drawing Page(s)  
 LN.CNT 1326  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A thermoplastic resin molded article having gloss of at least one surface above 80%, a storage modulus in common logarithm being 7 to 8 MPa within a temperature range higher by 20° C. to 100° C. than the glass transition temperature, a cooling distortion ratio of 1.0 kg/cm.sup.2 .multidot.°C. or less when the molded article is cooled from 130° C. to 50° C. and an Izod impact strength of 2.0 kJ/m.sup.2 or more, is provided, together with a thermoplastic resin composition containing a polybutylene terephthalate resin, a polyethylene terephthalate resin, a (metha)acrylic resin, a polymer particle of a multi-layer structure and an inorganic filler, which composition is used for producing the molded article.

L5 ANSWER 24 OF 25 EUROPATFULL COPYRIGHT 2004 WILA on STN

PATENT APPLICATION - PATENTANMELDUNG - DEMANDE DE BREVET

AN 394933 EUROPATFULL UP 20000903 EW 199044 FS OS STA B  
 TIEN Polyphenylene sulfide resin composition.  
 TIDE Polyphenylensulfidharz Zusammensetzung.  
 TIFR Composition de resine polyphenylenesulfide.  
 IN Kadoi, Sho, Toray Shataku 141, 1, Higashi 3-chome, Yushudai,  
 Ichihara-shi, Chiba, JP;  
 Yabe, Hidemi, Toray Shataku B-1-2, 15-8, Sanjo 2-chome, Minami-ku,  
 Nagoya-shi, Aichi, JP;  
 Kobayashi, Kazuhiko, Toray Shataku J-3-5, 81, Ikegamidai, 1-chome,

10/634,687

Midori-ku, Nagoya-shi, Aichi, JP  
PA TORAY INDUSTRIES, INC., 2-1, Nihonbashi Muromachi 2-chome Chuo-ku,  
Tokyo, JP  
PAN 203532  
AG Kador & Partner, Corneliusstrasse 15, D-8000 Muenchen 5, DE  
AGN 100211  
OS ESP1990051 EP 0394933 A2 901031  
SO Wila-EPZ-1990-H44-T1  
DT Patent  
LA Anmeldung in Englisch; Veroeffentlichung in Englisch  
DS R CH; R DE; R FR; R GB; R IT; R LI; R NL  
PIT EPA2 EUROPAEISCHE PATENTANMELDUNG  
PI EP 394933 A2 19901031  
OD 19901031  
AI EP 1990-107686 19900423  
PRAI JP 1989-106197 19890425

GRANTED PATENT - ERTEILTES PATENT - BREVET DELIVRE

AN 394933 EUROPATFULL ED 19970727 EW 199728 FS PS  
TIEN Polyphenylene sulfide resin composition.  
TIDE Polyphenylensulfidharz Zusammensetzung.  
TIFR Composition de resine polyphenylenesulfide.  
IN Kadoi, Sho, Toray Shataku 141, 1, Higashi 3-chome, Yushudai,  
Ichihara-shi, Chiba, JP;  
Yabe, Hidemi, Toray Shataku B-1-2, 15-8, Sanjo 2-chome, Minami-ku,  
Nagoya-shi, Aichi, JP;  
Kobayashi, Kazuhiko, Toray Shataku J-3-5, 81, Ikegamidai, 1-chome,  
Midori-ku, Nagoya-shi, Aichi, JP  
PA TORAY INDUSTRIES, INC., 2-1, Nihonbashi Muromachi 2-chome Chuo-ku,  
Tokyo, JP  
PAN 203532  
AG Kador & Partner, Corneliusstrasse 15, 80469 Muenchen, DE  
AGN 100211  
OS EPB1997043 EP 0394933 B1 970709  
SO Wila-EPS-1997-H28-T1  
DT Patent  
LA Anmeldung in Englisch; Veroeffentlichung in Englisch  
DS R CH; R DE; R FR; R GB; R IT; R LI; R NL  
PIT EPB1 EUROPAEISCHE PATENTSCHRIFT  
PI EP 394933 B1 19970709  
OD 19901031  
AI EP 1990-107686 19900423  
PRAI JP 1989-106197 19890425  
REP EP 193951 A EP 241019 A  
REN PATENT ABSTRACTS OF JAPAN vol. 7, no. 11 (C-145)(1156) 18 January 1983,  
&  
JP-A-57168945 (DAINIPPON INK KAGAKU KOGYO K. K.) 18 October 1982 PATENT  
ABSTRACTS OF JAPAN vol. 3, no. 3 (C-33)(141) 16 January 1979, &  
JP-A-53127551 (UNITIKA K. K.) 11 July 1978  
ABEN Disclosed is a polyphenylene sulfide resin composition having a  
superior heat resistance and impact resistance obtained by  
melt-kneading a modified polyphenylene sulfide resin obtained by  
reacting a polyphenylene sulfide resin with a carboxylic acid  
anhydride, with at least one thermoplastic resin selected from a  
polyamide resin, a polyester resin, a polycarbonate resin, a  
polysulfone resin, and a polyamide-imide resin.

L5 ANSWER 25 OF 25 USPATFULL on STN  
AN 96:9458 USPATFULL  
TI Polyphenylene sulfide resin composition



10/634,687

IN Kadoi, Sho, Ichihara, Japan  
Yabe, Hidemi, Nagoya, Japan  
Kobayashi, Kazuhiko, Nagoya, Japan  
PA Toray Industries, Inc., Japan (non-U.S. corporation)  
PI US 5488084 19960130  
AI US 1993-166735 19931214 (8)  
RLI Continuation of Ser. No. US 1992-924424, filed on 31 Jul 1992, now  
abandoned which is a continuation of Ser. No. US 1990-512865, filed on  
23 Apr 1990, now abandoned  
PRAI JP 1989-106197 19890425  
DT Utility  
FS Granted  
EXNAM Primary Examiner: Lesmes, George F.; Assistant Examiner: Lee, Helen F.  
LREP Miller, Austin R.  
CLMN Number of Claims: 7  
ECL Exemplary Claim: 1  
DRWN No Drawings  
LN.CNT 833

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed is a polyphenylene sulfide resin composition having a superior  
heat resistance and impact resistance obtained by melt-kneading a  
modified polyphenylene sulfide resin obtained by reacting a  
polyphenylene sulfide resin with a carboxylic acid anhydride, with at  
least one thermoplastic resin selected from a polyamide resin, a  
polyester resin, a polycarbonate resin, a polysulfone resin, and a  
polyamide-imide resin.

=> file ifipat

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
379.68	379.89

FULL ESTIMATED COST

FILE 'IFIPAT' ENTERED AT 09:01:49 ON 21 SEP 2004

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FILE COVERS 1950 TO PATENT PUBLICATION DATE: 16 Sep 2004 (20040916/PD)

FILE LAST UPDATED: 17 Sep 2004 (20040917/ED)

HIGHEST GRANTED PATENT NUMBER: US2004160699

HIGHEST APPLICATION PUBLICATION NUMBER: US2004181840

UNITERM INDEXING IS AVAILABLE IN THE IFIUDB FILE

UNITERM INDEXING LAST UPDATED: 27 Aug 2004 (20040827/UP)

INDEXING CURRENT THROUGH PAT PUB DATE: 24 Feb 2004 (20040224/PD)

IFIPAT has been reloaded (08/01/2004). See HELP RLOAD for details.

=> d his

(FILE 'HOME' ENTERED AT 08:44:53 ON 21 SEP 2004)

FILE 'AGRICOLA, ALUMINIUM, ANABSTR, APOLLIT, AQUALINE, AQUIRE, BABS,  
BIOCOMMERCE, BIOTECHNO, CABA, CAOLD, CAPLUS, CBNB, CEABA-VTB, CEN, CERAB,  
CIN, COMPENDEX, CONFSCI, COPPERLIT, CORROSION, DISSABS, FEDRIP, GENBANK,  
INSPEC, INSPHYS, INVESTEXT, IPA, ...' ENTERED AT 08:45:07 ON 21 SEP 2004

L1 261 S POLYOXYTRIMETHYLENE GLYCOL OR POLYTRIMETHYLENE ETHER GLYCOL O  
L2 2569247 S ADORBENT OR ACTIVATED CARBON OR ACTIVATED CHARCOAL OR ALUMINA  
L3 3151473 S COLOR OR COLOUR  
L4 30 S L1 AND L2 AND L3  
L5 25 DUP REM L4 (5 DUPLICATES REMOVED)

FILE 'IFIPAT' ENTERED AT 09:01:49 ON 21 SEP 2004

10/634,687

=> s 12 (20a) 13

L6 539 L2 (20A) L3

=> s trimethylene glycol and 16

3571 TRIMETHYLENE

57238 GLYCOL

389 TRIMETHYLENE GLYCOL

(TRIMETHYLENE(W) GLYCOL)

L7 0 TRIMETHYLENE GLYCOL AND L6

=> log y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

4.83

384.72

STN INTERNATIONAL LOGOFF AT 09:03:37 ON 21 SEP 2004